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Automated Report

Technical Report for

Chevron/CDH

Wells Ranch USX AE21-12

REM#42465

SGS Job Number: DA77786

Sampling Date: 12/04/25

Report to:

Chevron USA, Inc.
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ATTN: David Stainback

Total number of pages in report: 78

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Eric Hoffman

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Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

Table of Contents

SGS North America Inc.

Sample Summary

Chevron/CDH

Job No: DA77786

Wells Ranch USX AE21-12
Project No: REM#42465

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA77786-1	12/04/25	12:04	NI	12/04/25	SO	Soil	BKG04@3'
DA77786-1A	12/04/25	12:04	NI	12/04/25	SO	Soil	BKG04@3'
DA77786-1B	12/04/25	12:04	NI	12/04/25	SO	Soil	BKG04@3'
DA77786-2	12/04/25	12:05	NI	12/04/25	SO	Soil	BKG04@4'
DA77786-2A	12/04/25	12:05	NI	12/04/25	SO	Soil	BKG04@4'
DA77786-2B	12/04/25	12:05	NI	12/04/25	SO	Soil	BKG04@4'
DA77786-3	12/04/25	11:50	NI	12/04/25	SO	Soil	BKG05@3'
DA77786-3A	12/04/25	11:50	NI	12/04/25	SO	Soil	BKG05@3'
DA77786-3B	12/04/25	11:50	NI	12/04/25	SO	Soil	BKG05@3'
DA77786-4	12/04/25	11:51	NI	12/04/25	SO	Soil	BKG05@4'
DA77786-4A	12/04/25	11:51	NI	12/04/25	SO	Soil	BKG05@4'
DA77786-4B	12/04/25	11:51	NI	12/04/25	SO	Soil	BKG05@4'
DA77786-5	12/04/25	12:06	NI	12/04/25	SO	Soil	BKG06@3'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Chevron/CDH

Job No: DA77786

Wells Ranch USX AE21-12
Project No: REM#42465

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA77786-5A	12/04/25	12:06	NI	12/04/25	SO	Soil	BKG06@3'
DA77786-5B	12/04/25	12:06	NI	12/04/25	SO	Soil	BKG06@3'
DA77786-6	12/04/25	12:07	NI	12/04/25	SO	Soil	BKG06@4'
DA77786-6A	12/04/25	12:07	NI	12/04/25	SO	Soil	BKG06@4'
DA77786-6B	12/04/25	12:07	NI	12/04/25	SO	Soil	BKG06@4'
DA77786-7	12/04/25	11:52	NI	12/04/25	SO	Soil	BKG07@3'
DA77786-7A	12/04/25	11:52	NI	12/04/25	SO	Soil	BKG07@3'
DA77786-7B	12/04/25	11:52	NI	12/04/25	SO	Soil	BKG07@3'
DA77786-8	12/04/25	11:53	NI	12/04/25	SO	Soil	BKG07@4'
DA77786-8A	12/04/25	11:53	NI	12/04/25	SO	Soil	BKG07@4'
DA77786-8B	12/04/25	11:53	NI	12/04/25	SO	Soil	BKG07@4'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA77786
Account: Chevron/CDH
Project: Wells Ranch USX AE21-12
Collected: 12/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA77786-1	**BKG04@3'**					
Arsenic		6.3	0.22		mg/kg	SW846 6020B
Barium		363	2.2		mg/kg	SW846 6020B
Cadmium		0.29	0.11		mg/kg	SW846 6020B
Copper		12.5	2.2		mg/kg	SW846 6020B
Lead		13.1	0.54		mg/kg	SW846 6020B
Nickel		10.5	2.2		mg/kg	SW846 6020B
Selenium		0.40	0.22		mg/kg	SW846 6020B
Zinc		49.4	11		mg/kg	SW846 6020B
pH [a]		7.97			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.26	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-1A	**BKG04@3'**					
Calcium		64.5	6.0		mg/l	SW846 6010C
Magnesium		9.66	3.0		mg/l	SW846 6010C
Sodium		6.30	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.193			ratio	USDA HANDBOOK 60
DA77786-1B	**BKG04@3'**					
Boron		0.304	0.25		mg/l	SW846 6010C
DA77786-2	**BKG04@4'**					
Arsenic		3.1	0.20		mg/kg	SW846 6020B
Barium		97.1	2.0		mg/kg	SW846 6020B
Copper		5.2	2.0		mg/kg	SW846 6020B
Lead		5.7	0.50		mg/kg	SW846 6020B
Nickel		5.0	2.0		mg/kg	SW846 6020B
Zinc		19.5	10		mg/kg	SW846 6020B
pH [a]		8.11			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.36	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-2A	**BKG04@4'**					
Calcium		36.4	6.0		mg/l	SW846 6010C
Magnesium		15.8	3.0		mg/l	SW846 6010C
Sodium		19.1	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.665			ratio	USDA HANDBOOK 60
DA77786-2B	**BKG04@4'**					

No hits reported in this sample.

Summary of Hits

Job Number: DA77786
Account: Chevron/CDH
Project: Wells Ranch USX AE21-12
Collected: 12/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA77786-3	**BKG05@3'**					
Arsenic		3.0	0.20		mg/kg	SW846 6020B
Barium		79.0	2.0		mg/kg	SW846 6020B
Cadmium		0.14	0.10		mg/kg	SW846 6020B
Copper		5.0	2.0		mg/kg	SW846 6020B
Lead		5.2	0.50		mg/kg	SW846 6020B
Nickel		5.0	2.0		mg/kg	SW846 6020B
Zinc		17.8	10		mg/kg	SW846 6020B
pH [a]		8.12			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.25	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-3A	**BKG05@3'**					
Calcium		40.2	6.0		mg/l	SW846 6010C
Magnesium		7.86	3.0		mg/l	SW846 6010C
Sodium		7.80	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.294			ratio	USDA HANDBOOK 60
DA77786-3B	**BKG05@3'**					
No hits reported in this sample.						
DA77786-4	**BKG05@4'**					
Arsenic		2.6	0.20		mg/kg	SW846 6020B
Barium		70.9	2.0		mg/kg	SW846 6020B
Copper		4.6	2.0		mg/kg	SW846 6020B
Lead		6.1	0.51		mg/kg	SW846 6020B
Nickel		4.6	2.0		mg/kg	SW846 6020B
Zinc		17.0	10		mg/kg	SW846 6020B
pH [a]		8.19			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.24	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-4A	**BKG05@4'**					
Calcium		36.9	6.0		mg/l	SW846 6010C
Magnesium		7.82	3.0		mg/l	SW846 6010C
Sodium		13.7	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.534			ratio	USDA HANDBOOK 60
DA77786-4B	**BKG05@4'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA77786
Account: Chevron/CDH
Project: Wells Ranch USX AE21-12
Collected: 12/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA77786-5	**BKG06@3'**					
Arsenic		3.2	0.20		mg/kg	SW846 6020B
Barium		74.3	2.0		mg/kg	SW846 6020B
Cadmium		0.14	0.099		mg/kg	SW846 6020B
Copper		10.7	2.0		mg/kg	SW846 6020B
Lead		9.1	0.50		mg/kg	SW846 6020B
Nickel		8.6	2.0		mg/kg	SW846 6020B
Zinc		45.2	9.9		mg/kg	SW846 6020B
pH [a]		8.02			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.33	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-5A	**BKG06@3'**					
Calcium		35.3	6.0		mg/l	SW846 6010C
Magnesium		14.2	3.0		mg/l	SW846 6010C
Sodium		21.9	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.787			ratio	USDA HANDBOOK 60
DA77786-5B	**BKG06@3'**					
No hits reported in this sample.						
DA77786-6	**BKG06@4'**					
Arsenic		6.7	0.21		mg/kg	SW846 6020B
Barium		225	2.1		mg/kg	SW846 6020B
Cadmium		1.4	0.11		mg/kg	SW846 6020B
Copper		26.7	2.1		mg/kg	SW846 6020B
Lead		19.0	0.53		mg/kg	SW846 6020B
Nickel		36.3	2.1		mg/kg	SW846 6020B
Selenium		0.62	0.21		mg/kg	SW846 6020B
Silver		0.17	0.11		mg/kg	SW846 6020B
Zinc		63.9	11		mg/kg	SW846 6020B
pH [a]		8.01			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		1.0	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-6A	**BKG06@4'**					
Calcium		46.9	6.0		mg/l	SW846 6010C
Magnesium		37.2	3.0		mg/l	SW846 6010C
Sodium		107	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		2.83			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA77786
Account: Chevron/CDH
Project: Wells Ranch USX AE21-12
Collected: 12/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA77786-6B	**BKG06@4'**					
Boron		0.428	0.25		mg/l	SW846 6010C
DA77786-7	**BKG07@3'**					
Arsenic		8.7	0.22		mg/kg	SW846 6020B
Barium		664	2.2		mg/kg	SW846 6020B
Cadmium		0.26	0.11		mg/kg	SW846 6020B
Copper		21.1	2.2		mg/kg	SW846 6020B
Lead		21.2	0.55		mg/kg	SW846 6020B
Nickel		16.1	2.2		mg/kg	SW846 6020B
Selenium		0.44	0.22		mg/kg	SW846 6020B
Zinc		76.8	11		mg/kg	SW846 6020B
pH [a]		7.92			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		1.0	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-7A	**BKG07@3'**					
Calcium		79.2	6.0		mg/l	SW846 6010C
Magnesium		39.8	3.0		mg/l	SW846 6010C
Sodium		78.6	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		1.80			ratio	USDA HANDBOOK 60
DA77786-7B	**BKG07@3'**					
Boron		0.610	0.25		mg/l	SW846 6010C
DA77786-8	**BKG07@4'**					
Arsenic		19.8	0.22		mg/kg	SW846 6020B
Barium		250	2.2		mg/kg	SW846 6020B
Cadmium		0.19	0.11		mg/kg	SW846 6020B
Copper		21.4	2.2		mg/kg	SW846 6020B
Lead		30.6	0.54		mg/kg	SW846 6020B
Nickel		11.9	2.2		mg/kg	SW846 6020B
Selenium		0.38	0.22		mg/kg	SW846 6020B
Zinc		72.9	11		mg/kg	SW846 6020B
pH [a]		8.21			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.52	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA77786-8A	**BKG07@4'**					
Calcium		22.3	6.0		mg/l	SW846 6010C
Magnesium		11.8	3.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA77786
Account: Chevron/CDH
Project: Wells Ranch USX AE21-12
Collected: 12/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		70.5	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		3.00			ratio	USDA HANDBOOK 60
DA77786-8B	**BKG07@4'**					
Boron		0.422	0.25		mg/l	SW846 6010C

(a) Saturated paste was generated on 12/05/25.
(b) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BKG04@3'
Lab Sample ID: DA77786-1
Matrix: SO - Soil
Project: Wells Ranch USX AE21-12

Date Sampled: 12/04/25
Date Received: 12/04/25
Percent Solids: 92.1

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.3	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	363	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.29	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	12.5	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	13.1	0.54	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.5	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.40	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	49.4	11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@3'		
Lab Sample ID:	DA77786-1	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	92.1
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	92.1		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.97		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.26	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.45	0.45	mg/kg	1	12/30/25 20:50	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@3'		
Lab Sample ID:	DA77786-1A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	92.1
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	64.5	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	9.66	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	6.30	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@3'		
Lab Sample ID:	DA77786-1A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	92.1
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.193		ratio	1	12/16/25 19:08	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@3'		
Lab Sample ID:	DA77786-1B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	92.1
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.304	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4'		
Lab Sample ID:	DA77786-2	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.3
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	97.1	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.10	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.2	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.7	0.50	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.0	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	19.5	10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4'		
Lab Sample ID:	DA77786-2	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.3
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.3		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.11		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.36	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	12/30/25 21:06	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4'		
Lab Sample ID:	DA77786-2A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.3
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	36.4	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	15.8	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	19.1	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4'		
Lab Sample ID:	DA77786-2A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.3
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.665		ratio	1	12/16/25 19:09	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4'		
Lab Sample ID:	DA77786-2B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.3
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@3'		
Lab Sample ID:	DA77786-3	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.4
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	79.0	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.14	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.0	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.2	0.50	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.0	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	17.8	10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@3'		
Lab Sample ID:	DA77786-3	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.4		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.12		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.25	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	12/30/25 21:49	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@3'		
Lab Sample ID:	DA77786-3A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.4
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	40.2	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	7.86	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	7.80	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@3'		
Lab Sample ID:	DA77786-3A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.294		ratio	1	12/16/25 19:11	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@3'		
Lab Sample ID:	DA77786-3B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.4
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA77786-4	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.7
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.6	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	70.9	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.10	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.6	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.1	0.51	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.6	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	17.0	10	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA77786-4	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.7
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.7		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.19		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.24	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	12/30/25 21:57	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA77786-4A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.7
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	36.9	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	7.82	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	13.7	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA77786-4A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.7
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.534		ratio	1	12/16/25 19:13	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA77786-4B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	96.7
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@3'		
Lab Sample ID:	DA77786-5	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	94.4
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.2	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	74.3	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.14	0.099	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	10.7	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	9.1	0.50	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.6	2.0	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.099	0.099	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	45.2	9.9	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@3'		
Lab Sample ID:	DA77786-5	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	94.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.4		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.02		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.33	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.43	0.43	mg/kg	1	12/30/25 22:13	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@3'		
Lab Sample ID:	DA77786-5A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	94.4
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.3	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	14.2	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	21.9	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@3'		
Lab Sample ID:	DA77786-5A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	94.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.787		ratio	1	12/16/25 19:17	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@3'		
Lab Sample ID:	DA77786-5B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	94.4
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@4'		
Lab Sample ID:	DA77786-6	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.4
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.7	0.21	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	225	2.1	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	1.4	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	26.7	2.1	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	19.0	0.53	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	36.3	2.1	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.62	0.21	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	0.17	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	63.9	11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@4'		
Lab Sample ID:	DA77786-6	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.4		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.01		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	1.0	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.47	0.47	mg/kg	1	12/30/25 22:29	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@4'		
Lab Sample ID:	DA77786-6A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.4
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	46.9	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	37.2	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	107	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@4'		
Lab Sample ID:	DA77786-6A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.83		ratio	1	12/16/25 19:19	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG06@4'		
Lab Sample ID:	DA77786-6B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.4
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.428	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	BKG07@3'		
Lab Sample ID:	DA77786-7	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	89.4
Project:	Wells Ranch USX AE21-12		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.7	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	664	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.26	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	21.1	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	21.2	0.55	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	16.1	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.44	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	76.8	11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@3'		
Lab Sample ID:	DA77786-7	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	89.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	89.4		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.92		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	1.0	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.46	0.46	mg/kg	1	12/30/25 22:44	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@3'		
Lab Sample ID:	DA77786-7A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	89.4
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	79.2	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	39.8	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	78.6	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@3'		
Lab Sample ID:	DA77786-7A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	89.4
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.80		ratio	1	12/16/25 19:21	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@3'		
Lab Sample ID:	DA77786-7B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	89.4
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.610	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG07@4'
Lab Sample ID: DA77786-8
Matrix: SO - Soil
Project: Wells Ranch USX AE21-12

Date Sampled: 12/04/25
Date Received: 12/04/25
Percent Solids: 87.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	19.8	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	250	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.19	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	21.4	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	30.6	0.54	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	11.9	2.2	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.38	0.22	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	72.9	11	mg/kg	10	12/05/25	12/16/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19976
(2) Prep QC Batch: MP44867

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@4'		
Lab Sample ID:	DA77786-8	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.3
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.3		%	1	12/04/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.21		su	1	12/05/25 12:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.52	0.0010	mmhos/cm	1	12/05/25 12:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.46	0.46	mg/kg	1	12/30/25 23:00	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 12/05/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@4'		
Lab Sample ID:	DA77786-8A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.3
Project:	Wells Ranch USX AE21-12		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	22.3	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	11.8	3.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	70.5	6.0	mg/l	1	12/05/25	12/16/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19978
(2) Prep QC Batch: MP44860

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@4'		
Lab Sample ID:	DA77786-8A	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.3
Project:	Wells Ranch USX AE21-12		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.00		ratio	1	12/16/25 19:22	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG07@4'		
Lab Sample ID:	DA77786-8B	**Date Sampled:**	12/04/25
Matrix:	SO - Soil	**Date Received:**	12/04/25
		Percent Solids:	87.3
Project:	Wells Ranch USX AE21-12		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.422	0.25	mg/l	1	12/06/25	12/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19973
(2) Prep QC Batch: MP44843

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Page 1 of 1

Bottle Order Control #:
SGS Quote #:
FED-EX Tracking #:
SGS Job # DA 77786

Client / Reporting Information

Company: CDH Consulting
Street:
City, State ZIP:
Project Contact: David Steinback
Phone: 970-403-4108
Email: CDH Team 1
Sampler(s) Name(s): Jack Willey

Project Information

Project Name: Wells Ranch USX AE21-12
Street:
City, State ZIP:
Project #: REME 42465
Client Purchase Order #: UWRWE-A5382-ABN
Project Manager: David Steinback

Billing Information (if different from Report to)

Company: Chevron
Street Address: Noble
City, State ZIP:
Attention: Lauren Hoff

Requested Analysis (see TEST CODE sheet)

915 Inorganics

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank; D=dissolved metals; PD=Potentially dissolved; TR=Total recoverable

Nathan Engebretson

	Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	NaHSO3	LAB USE ONLY
01	BK604@3'	12/4/25	12:04	NE	SO	3	X										
02	BK604@4'		12:05	NE			X										
03	BK605@3'		11:50	JW			X										
04	BK605@4'		11:51	JW			X										
05	BK606@3'		12:06	JW			X										
06	BK606@4'		12:07	JW			X										
07	BK607@3'		11:52	NE			X										
08	BK607@4'		11:53	NE			X										

Turnaround Time (Business days)

- [X] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY

Special Reporting Instructions
- [ ] Report in PPB
- [ ] Report in PPM
- [ ] Report MDLs

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Data Deliverable Information

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ (Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2 (Results/QC Summary/partial raw data)
- [ ] FULT1
- [ ] EDD Format

Comments / Special Instructions

**Metals: specify metal(s), method, and type (D, PD, TR)

915 inorganics only

Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS delivery.

	Relinquished by Sampler/Affiliation	Date/Time	Received By/Affiliation	Relinquished By/Affiliation	Date/Time	Received By/Affiliation
1	CDH	12/4/25 14:46	SGS	SGS		12.4.25 18:1
2						
3						
4						

Custody Seal #: Intact [ ] Not Intact [ ] Absent [ ]
Preserved where applicable [ ]
Cooler Temp. °C (corrected): 4.0 Therm. ID: PM
On Ice [X] (6)

http://www.sgs.com/en/terms-and-conditions

Current Regular COC 23MAY23.xls; FORM: EHSA-QAC-0027-01-FORM-Wheat Ridge - COC: RV 9/2/21

SGS Sample Receipt Summary

Job Number: da77786 **Client:** CDH **Project:** WELLS RANCH USX AE21-12

Date / Time Received: 12/4/2025 6:30:00 PM **Delivery Method:** co **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

Cooler Informatio	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑

	W	or	S	N/A
3. Type of TB Received:	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly:	☑		☐	
3. Suffiient volume/containers recv'd for analysis:	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT:	☑		☐	
6. Dates/Times/IDs on COC match sample label:	☑		☐	
7. VOCs have headspace:	☐		☐	☑
8. Bottles received for unspecified tests:	☐		☑	
9. Compositing instructions clear:	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☑	☐
11. % Solids Jar Received?	☐		☑	☐

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals

Test Strip Lot #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot

Comments

SM001
Rev. Date 05/04/17

Technician: VALENTIN Date: 12/4/2025 5:16:00 PM Reviewer: Date:

DA77786: Chain of Custody
Page 2 of 2

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44843
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/06/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	24	75		
Arsenic	130	23	23		
Barium	50	1	6.5		
Beryllium	50	.78	6.5		
Boron	250	52	32	12.0	<250
Cadmium	50	1.8	6.5		
Calcium	2000	35	250		
Chromium	50	3.1	6.5		
Cobalt	25	3.7	3.2		
Copper	50	2.3	6.5		
Iron	350	14	60		
Lithium	25	2.5	6.5		
Magnesium	1000	110	130		
Manganese	25	2.4	3.2		
Molybdenum	50	9.7	14		
Potassium	5000	130	630		
Silver	150	4.5	19		
Sodium	2000	22	250		

Associated samples MP44843: DA77786-1B, DA77786-2B, DA77786-3B, DA77786-4B, DA77786-5B, DA77786-6B, DA77786-7B, DA77786-8B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44843
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/06/25 12/06/25

Metal	DA77786-1B Original	DUP	RPD	QC Limits	DA77786-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Arsenic									
Barium									
Beryllium									
Boron	304	298	2.0	0-20	304	10200	10000	99.0	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Potassium									
Silver									
Sodium									

Associated samples MP44843: DA77786-1B, DA77786-2B, DA77786-3B, DA77786-4B, DA77786-5B, DA77786-6B, DA77786-7B, DA77786-8B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44843
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron	9450	10000	94.5	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium				

Associated samples MP44843: DA77786-1B, DA77786-2B, DA77786-3B, DA77786-4B, DA77786-5B, DA77786-6B, DA77786-7B, DA77786-8B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44843
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/06/25

Metal	DA77786-1B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron	60.7	68.4	12.7 (a)	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium				

Associated samples MP44843: DA77786-1B, DA77786-2B, DA77786-3B, DA77786-4B, DA77786-5B, DA77786-6B, DA77786-7B, DA77786-8B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44860
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/05/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	71	230		
Arsenic	380	68	69		
Barium	150	3	20		
Beryllium	150	2.3	20		
Boron	750	160	95		
Cadmium	150	5.3	20		
Calcium	6000	100	750	110	<6000
Chromium	150	9.4	20		
Cobalt	75	11	9.5		
Copper	150	6.9	20		
Iron	1100	41	180		
Lithium	75	7.5	20		
Magnesium	3000	330	380	-170	<3000
Manganese	75	7.3	9.5		
Molybdenum	150	29	42		
Potassium	15000	380	1900		
Silver	450	14	57		
Sodium	6000	67	750	0.0	<6000

Associated samples MP44860: DA77786-1A, DA77786-2A, DA77786-3A, DA77786-4A, DA77786-5A, DA77786-6A, DA77786-7A, DA77786-8A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44860 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/05/25

Metal	DA77782-10A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	16900	331000	375000	83.8	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lithium					
Magnesium	12000	334000	375000	85.9	75-125
Manganese					
Molybdenum					
Potassium					
Silver					
Sodium	2100	324000	375000	85.8	75-125

Associated samples MP44860: DA77786-1A, DA77786-2A, DA77786-3A, DA77786-4A, DA77786-5A, DA77786-6A, DA77786-7A, DA77786-8A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44860 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/05/25

Metal	DA77782-10A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	16900	388000	375000	99.0	15.9	20
Chromium						
Cobalt						
Copper						
Iron						
Lithium						
Magnesium	12000	393000	375000	101.6	16.2	20
Manganese						
Molybdenum						
Potassium						
Silver						
Sodium	2100	377000	375000	100.0	15.1	20

Associated samples MP44860: DA77786-1A, DA77786-2A, DA77786-3A, DA77786-4A, DA77786-5A, DA77786-6A, DA77786-7A, DA77786-8A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44860
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	361000	375000	96.3	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium	370000	375000	98.7	80-120
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium	370000	375000	98.7	80-120

Associated samples MP44860: DA77786-1A, DA77786-2A, DA77786-3A, DA77786-4A, DA77786-5A, DA77786-6A, DA77786-7A, DA77786-8A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44860
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 12/05/25

Metal	DA77782-10A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	1130	1280	13.9*(a)	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium	802	842	5.0	0-10
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium	140	140	0.0	0-10

Associated samples MP44860: DA77786-1A, DA77786-2A, DA77786-3A, DA77786-4A, DA77786-5A, DA77786-6A, DA77786-7A, DA77786-8A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44867
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 12/05/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.075	<0.20
Barium	2.0	.096	.24	0.040	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	-0.000022	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	1.7	* (a)
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.011	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.021	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.011	<0.20
Silver	0.10	.0081	.03	0.0034	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	1.9	<10

Associated samples MP44867: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Element detected in the MB greater than 1/2 the reporting limit. Reported samples are less than 1/2 the project screening limits, ND, or >10X the level in the MB.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44867
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 12/05/25

Metal	DA77786-1 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	6.3	109	104	98.4	75-125
Barium	363	556	209	92.4	75-125
Beryllium					
Boron					
Cadmium	0.29	55.1	52.2	105.0	75-125
Calcium					
Chromium					
Cobalt					
Copper	12.5	63.5	52.2	97.7	75-125
Iron					
Lead	13.1	120	104	102.4	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	10.5	60.7	52.2	96.2	75-125
Phosphorus					
Potassium					
Selenium	0.40	101	104	96.4	75-125
Silver	0.060	22.0	20.9	105.1	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	49.4	101	52.2	98.8	75-125

Associated samples MP44867: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44867
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 12/05/25

Metal	DA77786-1 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	6.3	109	106	96.5	0.0	20
Barium	363	524	213	75.6	5.9	20
Beryllium						
Boron						
Cadmium	0.29	55.0	53.2	102.8	0.2	20
Calcium						
Chromium						
Cobalt						
Copper	12.5	63.8	53.2	96.4	0.5	20
Iron						
Lead	13.1	121	106	101.4	0.8	20
Magnesium						
Manganese						
Molybdenum						
Nickel	10.5	61.8	53.2	96.4	1.8	20
Phosphorus						
Potassium						
Selenium	0.40	102	106	95.4	1.0	20
Silver	0.060	21.8	21.3	102.1	0.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	49.4	99.0	53.2	93.2	2.0	20

Associated samples MP44867: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44867
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 12/05/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	106	100	106.0	80-120
Barium	208	200	104.0	80-120
Beryllium				
Boron				
Cadmium	51.8	50	103.6	80-120
Calcium				
Chromium				
Cobalt				
Copper	54.7	50	109.4	80-120
Iron				
Lead	105	100	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	52.8	50	105.6	80-120
Phosphorus				
Potassium				
Selenium	105	100	105.0	80-120
Silver	20.9	20	104.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	53.8	50	107.6	80-120

Associated samples MP44867: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

QC Batch ID: MP44867
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 12/05/25

Metal	DA77786-1 Original	SDL 10:50%DIF		QC Limits
Aluminum				
Antimony				
Arsenic	57.6	58.8	2.0	0-20
Barium	3340	3300	1.2	0-20
Beryllium				
Boron				
Cadmium	2.66	2.17	18.3	0-20
Calcium				
Chromium				
Cobalt				
Copper	115	119	3.6	0-20
Iron				
Lead	121	118	1.8	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	96.7	91.9	4.9	0-20
Phosphorus				
Potassium				
Selenium	3.69	4.15	12.3	0-20
Silver	0.557	0.467	16.1	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	455	479	5.2	0-20

Associated samples MP44867: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP40184/GN71220			mmhos/cm	1.409	1.4	97.2(a)	90-110%

Associated Samples:
Batch GP40184: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
(*) Outside of QC limits
(a) Saturated paste was generated on 12/05/25.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77786
Account: CHEVCDH - Chevron/CDH
Project: Wells Ranch USX AE21-12

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP40184/GN71220	DA77788-1	mmhos/cm	0.34	0.33(a)	3.0(a)	0-20%
pH	GN71219	DA77782-9	su	7.03	6.93(a)	1.4(a)	0-5%

Associated Samples:
Batch GN71219: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
Batch GP40184: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
(*) Outside of QC limits
(a) Saturated paste was generated on 12/05/25.

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

SO

Page 1 of 1

FED-EX Tracking #: 9903 6279 7306
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA77786

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City: Wheat Ridge, State: CO, Zip: 8003:
Project Contact / E-mail: Kristin.Degraw@sgs.com
Phone #: 303-425-6021 Fax #:
Sampler(s) Name(s): NI Phone:

Project Information

Project Name: Wells Ranch USX AE21-12
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): XCRA7199,

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199,	LAB USE ONLY
1	BKG04@3'		12/4/25	12:04:00 PM	NI	SO										X	
2	BKG04@4'		12/4/25	12:05:00 PM	NI	SO										X	
3	BKG05@3'		12/4/25	11:50:00 AM	NI	SO										X	
4	BKG05@4'		12/4/25	11:51:00 AM	NI	SO										X	
5	BKG06@3'		12/4/25	12:06:00 PM	NI	SO										X	
6	BKG06@4'		12/4/25	12:07:00 PM	NI	SO										X	
7	BKG07@3'		12/4/25	11:52:00 AM	NI	SO										X	
8	BKG07@4'		12/4/25	11:53:00 AM	NI	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 12/18/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [ ]
- [X] CC

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	12/5/25	1 [signature]	2 [signature] 1000	12/6/25	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. / Therm. ID:

2.0 C (IR)

7.1

7

DA77786: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: da77786 **Client:** SGS NORTH AMERICA INC **Project:** Wells Ranch USX AE21-12

Date / Time Received: 12/6/2025 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

7.1
7

DA77786: Chain of Custody
Page 2 of 2

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77786
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVCDH: Wells Ranch USX AE21-12

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP66544/GN77844	0.40	0.0	mg/kg	40	40.3	100.8	80-120%
Chromium, Hexavalent	GP66544/GN77844			mg/kg	875	849	97.0	80-120%

Associated Samples:
Batch GP66544: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77786
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVCDH: Wells Ranch USX AE21-12

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP66544/GN77844	DA77782-18	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP66544: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77786
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVCDH: Wells Ranch USX AE21-12

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP66544/GN77844	DA77782-18	mg/kg	0.0	41.7	39.1	93.7(a)	75-125%
Chromium, Hexavalent	GP66544/GN77844	DA77782-18	mg/kg	0.0	986	650	65.9N(b)	75-125%

Associated Samples:
Batch GP66544: DA77786-1, DA77786-2, DA77786-3, DA77786-4, DA77786-5, DA77786-6, DA77786-7, DA77786-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (99.2%) on the post-spike.
(b) Insoluble XCR matrix spike recovery indicates possible matrix interference. See additional comments on soluble matrix spike recovery.